

PEL[®] BH

Gamme métallique

HIGH RESISTANCE TO WEAR, SEIZURE AND CORROSION IN DIFFICULT WORKING CONDITIONS : HIGH PRESSURE, CORROSION, ABRASION, SHOCKS, LOW MAINTENANCE

The PEL[®] BH technology is a machined friction component with excellent resistance to wear and seizure thanks to the combination of a duplex surface treatment and a special grease reservoir. Lubrication intervals are considerably extended.



Application examples:



Construction



Waste collection



Agriculture



Handling



Mining sector

Conditions of use

Max. static pressure	450 MPa
Max. dynamic pressure	200 MPa
Max. speed	1,5 m/s
PV factor max	See curves on back
Max. temperature	Up to 250°C
Lubrication	Greased
Lubrication intervals	Up to 500h
Assembly instructions	Press or nitrogen assembly. For other types, please consult us

Standard bushing tolerances

Inside diameter	H9*
Outside diameter	p6*

Housing

Standard tolerances	H7*
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Axis

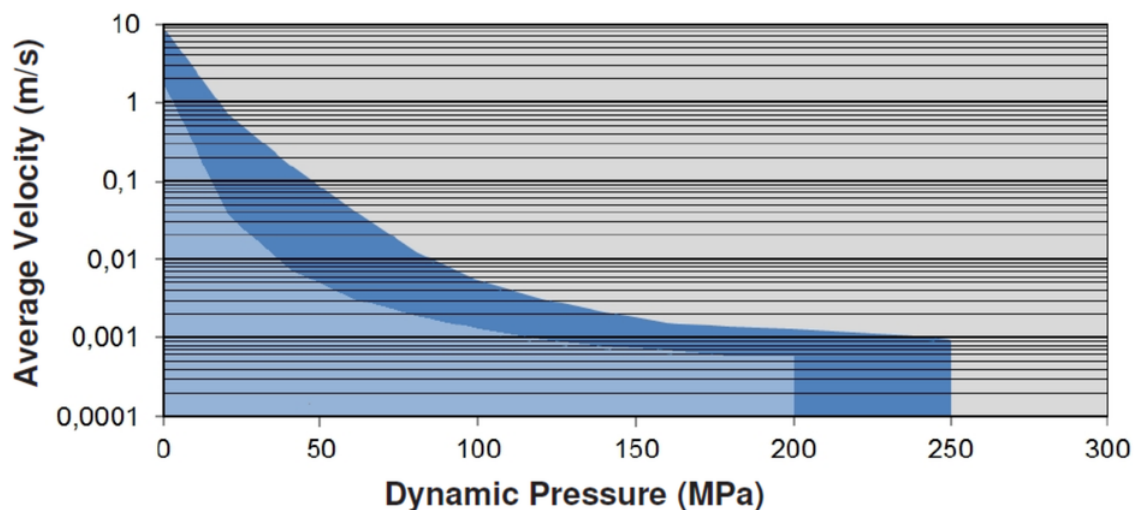
Standard tolerances	f7*
Optimum roughness	< 0,8 µm
Surface treatment recommendations	Hardness > 56 HRC
Optimum HEF technology	PEL [®] ST, PEL [®] STC, ...

Components available in this technology

Bushings, Shoulder bushings, Spherical plain bearings, Slide bearings, Washers

* Depending on the severity of your application, these recommendations may be subject to change. Contact us before use

Courbes PV :



NB : curve obtained from test bench results

Normal applications (with marginal lubrication)

Possible applications after validation tests (with regular lubrication)



PEL[®] BH Customizable products :

PEL[®] BHfriction components can be customized to meet your specific requirements.

For example, PEL[®] BH HG, with the addition of a helical groove, is ideal for the following applications:

- Regreasing under load
- Low angle of oscillation



Extensive R&D and testing capabilities

- 60 tribologists and R&D engineers
- Over 30 test benches, customizable tribometers
- Studies in special environments: cryogenic, high-temperature, water, oil, grease, dust, etc.
- Over 2,500 studies in various industries
- Over 600 patents

PEL[®] BH technology is based on our experience in the field of tribology. It must therefore be tested and validated under your actual working conditions before being adopted for permanent use. PEL[®] BH TECHNOLOGY IS A HEF WORLDWIDE PATENT - HEF IS THE ONLY AUTHORIZED MANUFACTURER

Contact

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HEF DUFERRIT MECHANICAL PRODUCTION PLANTS

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